



78-TTMY

8-Axis Mill / Turn Lathe with Twin 16-Tool Turrets

- + 78 mm 3" Bar Capacity
- + Twin 4,000 RPM Opposed Spindles
- + Glass Scale Feedback on X1 & X2 Axes
- + 32-Driven Tool Positions each station can mount multiple tools
- + "Y" Axis with 3.936" Travel
- + Simultaneous Main & Sub-Spindle Machining
- + Full "C" Axis on Main and Sub-Spindle

Capacity	Turning Diameter Maximum / Standard Center Distance Turning Length	12.79" (325 mm) 36.22" 16.33"	8.26" (210 mm) (920 mm) between centers 415 mm
Main Spindle	Spindle nose Spindle Bar Capacity Chuck Size - optional Spindle Center Height Maximum spindle speed Main Spindle motor horsepower Sub Spindle motor horsepower	A2-6 3.07" Main Spindle / 70 mm on Sub Spindle 8" (with 68 mm bore) 46.45" 60-4,000 rpm (Integral Spindle) 30-HP peak, 20-HP (30-minute duty rating) 20-HP peak, 15-HP (30-minute duty rating)	1,180 mm
Live Tool Turrets	Number of turret stations Index time (adjacent tool / 180° index) Live Tool Power / RPM Tool Size / Collet Size Tool Holder Type & Size	32 (Any combination of 32 ID, OD or Live tool stations) 0.2 seconds / 1.2 seconds High-Speed Servo Indexing 7-HP / 6,000 rpm, 14.75 ft. lbs. torque (20 Nm) 25 mm (for square tool and round tool) / ER-32 BMT-65 Base Mount Tooling	
Y-Axis	Y axis travel Y axis Rapid Feed Rate	3.93" of travel ±1.968" off of centerline (±50 mm) 236 Inch Per Minute (6 m per minute)	
C¹ & C² Axis	Spindle Radial Resolution / Speed	0.001° - 360,000 radial positions full contouring capability	
B-Axis (sub spindle travel)	B Axis Rapid Traverse Rate B Axis Travel	1,573 Inch Per Minute 20.86"	40 m / minute 530 mm
Axis Travels	Axis Travel – X ¹ , X ² – Axis Axis Travel – Z ¹ , Z ² – Axis Rapid Travers Rate – X ¹ , X ² –Axis Rapid Travers Rate – Z ¹ , Z ² – Axis Minimum Programmable Input	X ¹ 5.9" (150 mm), X ² 9.05" (230 mm) w/ glass scale feedback Z ¹ 17.32" (440 mm), Z ² 17.32" (440 mm) 630 ipm (16 m / minute) 1,573 ipm (40 m / minute) 0.0001" (0.001 mm = 40 millionths of an inch)	
Specifications	Hydraulic System Coolant Pumps – Dual Coolant Pumps Coolant Tank Machine Weight Electrical Requirements Air Requirements	10.5 gallons (40 Liters) with 3-HP (2.2 kw) pump motor 2 x 1.7 HP pumps for tooling & 2 pumps for chip flushing 70-gallon 22,751lbs. 49.5 kVA (220 vac ±5%, 3-phase, 60 Hz, 130 amps) 85-psi @ 8-cfm for parts catcher, ejector, oil mist lubricator	(280 Liters) coolant tank 10,320 kgs